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L1 and (factor adj1 VIII)	40

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L2: Entry 38 of 40

File: USPT

Dec 22, 1998

DOCUMENT-IDENTIFIER: US 5851818 A

TITLE: Condensed plasmid-liposome complex for transfection

Brief Summary Text (26):

The plasmid-liposome complex prepared according to the method of the invention, in one embodiment, is for use in transfecting a host cell with a gene contained in a DNA plasmid, where the DNA plasmid contains a gene selected from the group consisting of genes encoding for Factor VIII, interleukin-2 or p53.

Detailed Description Text (19):

In the first are those genes which are intended to overcome a gene deficiency or defect in the subject, i.e., where the subject fails to produce active, endogenous protein at all or within normal levels, and the gene introduced in the plasmid is intended to make up this deficiency. Examples of this class of genes include genes encoding adenosine deaminase (ADA), for gene expression in stem cells or lymphocytes; genes encoding purine nucleoside phosphorylase deficiency, deficiency in prostaglandin G/H synthase, therapy of Lesch-Nyhan syndrome caused by a deficiency in hypoxanthine-guanine phosphoribosyltransferase, genes encoding a variety of circulating proteins, such as .alpha..sub.1 -antitrypsin, clotting factors (e.g., Factor VIII, Factor IX) and globins (e.g., .beta.-globin, hemoglobin), for the treatment of hemophilia, sickle-cell anemia and other blood-related diseases, and genes encoding hormones and other peptide regulators.

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L2: Entry 30 of 40

File: USPT

Feb 11, 2003

US-PAT-NO: 6517830

DOCUMENT-IDENTIFIER: US 6517830 B1

**** See image for Certificate of Correction ****

TITLE: Compositions and methods for the expression of factor VIII polypeptides and uses therefor

DATE-ISSUED: February 11, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lollar; John S.	Decatur	GA		
Do; Hung V.	Atlanta	GA		
Healey; John F.	Snellville	GA		
Waller; Edmund K.	Atlanta	GA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Emory University	Atlanta	GA			02

APPL-NO: 09/633020 [\[PALM\]](#)

DATE FILED: August 4, 2000

PARENT-CASE:

CROSS-REFERENCE TO RELATED APPLICATIONS This application claims the benefit of U.S. Provisional Application Ser. No. 60/147,407, filed Aug. 5, 1999, the contents of which are herein incorporated by reference.

INT-CL-ISSUED: [07] A01N 63/00, A61K 48/00

INT-CL-CURRENT:

TYPE IPC	DATE
CIPN A61 K 48/00	20060101
CIPS C07 K 14/435	20060101
CIPS C07 K 14/755	20060101
CIPS C12 P 21/02	20060101

US-CL-ISSUED: 424/93.21; 514/44, 435/320.1

US-CL-CURRENT: [424/93.21](#); [435/320.1](#), [514/44](#)

FIELD-OF-CLASSIFICATION-SEARCH: 514/44, 435/720.1, 424/93.21

See application file for complete search history.

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

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	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>4868112</u>	September 1989	Toole, Jr.	435/68
<input type="checkbox"/>	<u>5681746</u>	October 1997	Bodner	
<input type="checkbox"/>	<u>5744446</u>	April 1998	Lollar	
<input type="checkbox"/>	<u>6087129</u>	July 2000	Newgard	

OTHER PUBLICATIONS

Riddell et al., T-cell mediated rejection of gene-modified HIV-specific cytotoxic T lymphocytes in HIV-infected patients, 1996, Nature Medicine, vol. 2, pp. 216-223.*

Cid-Arregui et al., Viral Vectors: Basic science and gene therapy, 2000, Biotechniques Books, pp. 223.*

Chiu et al., Optimizing energy potentials for success in protein tertiary structure prediction, 1998, Folding & Design, vol. 3, pp. 223-228.*

Hegenbarth et al., Liver sinusoidal endothelial cells are not permissive for adenovirus 2000, Human Gene Therapy, vol. 11, pp. 481-486.*

Walter et al., Gene therapy for the hemophilias 1997, Advances in Veterinary Medicine, vol. 40, pp. 119-134.*

Freiburghaus et al., Tolerance induction using the Malmo treatment model 1982-1995, 1999, Haemophilia, vol. 5, pp. 32-39.*

Connelly et al. (1996) "High-Level Tissue-Specific Expression of Functional Human Factor VIII in Mice" Human Gene Therapy 7:183-195.

Connelly et al. (1998) "Sustained Phenotypic Correction of Murine Hemophilia A by In Vivo Gene Therapy" Blood 91(9):3273-3281.

Do et al. (1999) "Expression of Factor VIII by Murine Liver Sinusoidal Endothelial Cells" J. Biol. Chem. 274(28):19587-19592.

Hellman et al. (1989) "Secretion of Coagulant Factor VIII Activity and Antigen by In Vitro Cultivated Rat Liver Sinusoidal Endothelial Cells" British J. Haematology 73:348-355.

Herzog et al. (1998) "Problems and Prospects in Gene Therapy for Hemophilia" Current Opinion in Hematology 5(5):321-326.

Ill et al. (1997) "Optimization of the Human Factor VIII Complementary DNA Expression Plasmid for Gene Therapy of Hemophilia A" Blood Coagulation and Fibrinolysis 8(Suppl 2):S23-S30.

Kadhon et al. (1988) "Factor VIII Procoagulant Antigen in Human Tissues" Thrombosis and Haemostasis 59(2):289-294.

Kwast et al. (1986) "Localization of Factor VIII-Procoagulant Antigen: An Immunohistological Survey of the Human Body Using Monoclonal Antibodies" Blood 67(1):222-227.

Lenting et al. (1998) "The Life Cycle of Coagulation Factor VIII in View of Its Structure and Function" Blood 92(11):3983-3996.

Shima et al. (1988) "Factor VIII Polypeptide Specificity of Monoclonal Anti-factor VIII Antibodies" British J. Haematology 70:63-69.

Stel et al. (1983) "Detection of Factor VIII/Coagulant Antigen in Human Liver Tissue" Nature 303:530-532.

Van Der Eb et al. (1996) "Liver-Directed Gene Therapy for Factor-VIII Deficiency" J. Clinical Biochemistry and Nutrition 21(1):78-80.

Wion et al. (1985) "Distribution of Factor VIII mRNA and Antigen in Human Liver and Other Tissues" Nature 317:726-729.

Zelechowska et al. (1985) "Ultrastructural Localization of Factor VIII Procoagulant Antigen in Human Liver Hepatocytes" Nature 317:729-730.

ART-UNIT: 1635

PRIMARY-EXAMINER: Nguyen; Dave T.

ASSISTANT-EXAMINER: Whiteman; Brian

ATTY-AGENT-FIRM: Alston & Bird LLP

ABSTRACT:

Compositions and methods are provided for the in vivo gene delivery of nucleic acid sequences encoding the factor VIII protein to the liver endothelial sinusoidal cells (LSECs). Compositions and methods are also provided for the ex vivo gene transfer of nucleic acid sequences encoding the factor VIII protein to cultured LSECs and the implantation of the transformed LSECs in vivo. These methods and compositions increase the level of factor VIII in the blood stream and find use in the gene therapy treatment of hemophilia A.

12 Claims, 4 Drawing figures

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L2: Entry 35 of 40

File: USPT

Oct 17, 2000

DOCUMENT-IDENTIFIER: US 6133026 A

TITLE: Condensed plasmid-liposome complex for transfection

Brief Summary Text (22):

In one embodiment, the condensed plasmid molecules are DNA plasmid molecules containing a gene selected from the group consisting of genes encoding for cystic fibrosis transmembrane conductance regulator, Factor VIII, interleukin-2 or p53.

Brief Summary Text (31):

The plasmid-liposome complexes prepared according to the method of the invention, in one embodiment, are for use in transfecting a host cell with a gene contained in a DNA plasmid, where the DNA plasmid contains a gene selected from the group consisting of genes encoding for Factor VIII, interleukin-2 or p53.

Detailed Description Text (24):

In the first are those genes which are intended to overcome a gene deficiency or defect in the subject, i.e., where the subject fails to produce active, endogenous protein at all or within normal levels, and the gene introduced in the plasmid is intended to make up this deficiency. Examples of this class of genes include genes encoding adenosine deaminase (ADA), for gene expression in stem cells or lymphocytes; genes encoding purine nucleoside phosphorylase deficiency, deficiency in prostaglandin G/H synthase, therapy of Lesch-Nyhan syndrome caused by a deficiency in hypoxanthine-guanine phosphoribosyltransferase, genes encoding a variety of circulating proteins, such as .alpha..sub.1 -antitrypsin, clotting factors (e.g., Factor VIII, Factor IX) and globins (e.g., .beta.-globin, hemoglobin), for the treatment of hemophilia, sickle-cell anemia and other blood-related diseases, and genes encoding hormones and other peptide regulators.

CLAIMS:

2. The composition of claim 1, wherein the condensed plasmid molecules are DNA plasmid molecules containing a gene selected from the group consisting of genes encoding for cystic fibrosis transmembrane conductance regulator, Factor VIII, interleukin-2 and p53.

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